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DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

***Staphylococcus aureus Polynucleotides and Sequence***

the specification of which was filed on **January 3, 1997** was Application Serial No. **08/781,986**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

| <u>Priority Claimed</u> |    |
|-------------------------|----|
| Yes                     | No |

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| (Number)                                  | (Country)                                 | (Day/Month/Year Filed)                    |

**I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.**

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| 60/009,861                                | 01/05/96                                  |   |
| (Application Serial No.)                  | (Filing Date)                             |   |

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(b) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

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| (Application Serial No.)                  | (Filing Date)                             | (Status: patented, pending, abandoned)    |

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Robert H. Benson (Reg. No. 30,446) and A. Anders Brookes (Reg. No. 36,373) of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20878.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Charles A. Kunsch

Inventor's signature: Charles Kunsch Date: 6/5/97  
Residence: 8405 Dasher Court, Gaithersburg, MD 20882 Citizenship: US  
Post Office Address: Same as above

Full name of additonal joint inventor: Gil A. Choi

Inventor's signature: Gil A. Choi Date: 6/5/97  
Residence: 11429 Potomac Oaks Drive, Rockville, MD 20850 Citizenship: KOREA  
Post Office Address: Same as above

Full name of additonal joint inventor: Steven C. Barash

Inventor's signature: Steven Barash Date: 6/5/97  
Residence: 582 College Parkway, Apt 303, Rockville, MD 20850 Citizenship: US  
Post Office Address: Same as above

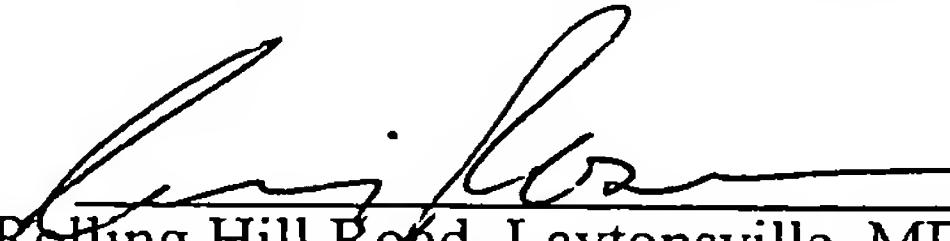
Full name of additonal joint inventor: Patrick J. Dillon

Inventor's signature: Patrick J. Dillon Date: 6/6/97  
Residence: 7508 Boxberry Terrace, Gaithersburg, MD 20879 Citizenship: US  
Post Office Address: Same as above

Full name of additonal joint inventor: Michael R. Fannon

Inventor's signature: Michael R. Fannon Date: 6/9/97  
Residence: 13501 Rippling Brook Drive, Silver Spring, MD 20906 Citizenship: US  
Post Office Address: Same as above

Full name of additonal joint inventor: Craig A. Rosen

Inventor's signature: 

Date: 6/11/97

Residence: 22400 Rolling Hill Road, Laytonsville, MD 20882

Citizenship: US

Post Office Address: Same as above

Docket No. PB248

**Human Genome Sciences, Inc.**  
**9410 Key West Avenue, Rockville, Maryland 20850**  
**(301-309-8504)**



PB248

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

NOVEMBER 04, 1997

PTAS

HUMAN GENOME SCIENCES, INC.  
ROBERT H. BENSON, ESQ.  
9410 KEY WEST AVENUE  
ROCKVILLE, MD 20850



\*100545541A\*



UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/10/1997

REEL/FRAME: 8724/0752  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KUNSCH, CHARLES

DOC DATE: 06/05/1997

ASSIGNOR:

CHOI, GIL A.

DOC DATE: 06/05/1997

ASSIGNOR:

BARASH, STEVEN C.

DOC DATE: 06/05/1997

ASSIGNOR:

DILLON, PATRICK J.

DOC DATE: 06/06/1997

ASSIGNOR:

FANNON, MICHAEL R.

DOC DATE: 06/09/1997

ASSIGNOR:

ROSEN, CRAIG A.

DOC DATE: 06/11/1997

ASSIGNEE:

HUMAN GENOME SCIENCES, INC.  
9410 KEY WEST AVENUE  
ROCKVILLE, MARYLAND 20850

DATE RECEIVED: 11/10/97  
DATES ENTERED: 11/10/97  
Does Assignee need Corr.? 11/17/97

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8724/0752 PAGE 2

SERIAL NUMBER: 08781986  
PATENT NUMBER:

FILING DATE: 01/03/1997  
ISSUE DATE:

MAYA BENNETT, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



U.S. 100545541 FFICE

**BOX ASSIGNMENTS**

Case Docket No. **PB248**

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

*MJD 7-10-97*

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Honorable Commissioner of Patents and Trademarks.

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Charles A. Kunsch, Gil A. Choi, Steven C. Barash, Patrick J. Dillon,  
Michael R. Fannon, and Craig A. Rosen.**

Additional name(s) of conveying party(ies) attached? Yes    No X

2. Name and address of receiving party(ies):

Name: **Human Genome Sciences, Inc.**  
Address: **9410 Key West Avenue  
Rockville, Maryland 20850**

Additional name(s) & address(es) attached? Yes    No X

3. Nature of conveyance:

- Assignment       Merger  
 Security Agreement       Change of Name  
 Other: \_\_\_\_\_

Execution Date: June 5, 6, 9 and 11, 1997.

4. Title: ***Staphylococcus aureus* Polynucleotides and Sequences**

5. Application number: **08/781,986**, filed **January 3, 1997**.

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes    No  X 

6. Name and address of party to whom correspondence concerning document should be mailed:

**Robert H. Benson, Esq.**  
**Human Genome Sciences, Inc.**  
**9410 Key West Avenue**  
**Rockville, Maryland 20850**  
**Telephone: 301-309-8504**  
**Facsimile: 301-309-8512**

7. Total number of applications and patents involved:  1 

8. Total fee (37 CFR 3.41). . . . . \$  40.00 

   Enclosed (By Check In Total of Filing Fee and Assignment Recording Fee)

 X  Authorized to be charged to Deposit Account

9. Deposit Account No.:  08-3425 

(Attach duplicate copy of this page if paying by deposit account.)

10. If any additional fees are due in connection with the recordation of this Assignment, please charge the same to Deposit Account No.:  08-3425 .

11. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

A. Anders Brookes

Name of Person Signing

Signature

 7/7/97 

Date

 36,373 

Registration Number

Total number of pages including cover sheet, attachment and document:  four (4)   
WP/PTO Sub/Assign. Trans. Form

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, **Charles A. Kunsch, Gil A. Choi, Steven C. Barash, Patrick J. Dillon, Michael R. Fannon, and Craig A. Rosen**, hereby sell, assign and transfer to Human Genome Sciences, Inc. ( Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, their entire right, title and interest for the United States and all other countries, in and to the improvements known as:

***Staphylococcus aureus Polynucleotides and Sequences***

for which application(s) for United States Letters Patent has (have) been executed by the undersigned on \_\_\_\_\_ also known as United States Application Serial No. 08/781,986, filed on January 3, 1997 and is entitled:

***Staphylococcus aureus Polynucleotides and Sequences***

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants the power to Robert H. Benson (Reg. No. 30,446), Paul C. Kimball (Reg. No. 34,610), and A. Anders Brookes (Reg. No. 36,373) of Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, Maryland, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite his signature(s):

Inventor's Signature: Charles A. Kunsch Date: 6/5/97  
Charles A. Kunsch

Inventor's Signature: Gil A. Choi Date: 6/5/97  
Gil A. Choi

Inventor's Signature: Steven C. Barash Date: 6/5/97  
Steven C. Barash

Inventor's Signature: Patrick J. Dillon Date: 6/6/97  
Patrick J. Dillon

Inventor's Signature: Michael R. Fannon Date: 6/9/97  
Michael R. Fannon

Inventor's Signature: Craig A. Rosen Date: 6/11/97  
Craig A. Rosen

HGS Docket No. PB248US

2 of 2

Human Genome Sciences, Inc.  
9410 Key West Avenue \* Rockville, Maryland 20850  
301-309-8504